

Employee Post-Travel Disclosure of Travel Expenses

Date/Time Stamp: RECEIVED
SECRETARY OF THE SENATE
PUBLIC RECORDS
2019 MAY 16 PM 4:11

Post-Travel Filing Instructions: Complete this form within 30 days of returning from travel. Submit all forms to the **Office of Public Records in 232 Hart Building.**

In compliance with Rule 35.2(a) and (c), I make the following disclosures with respect to travel expenses that have been or will be reimbursed/paid for me. I also certify that I have attached:

- ☒ The **original** *Employee Pre-Travel Authorization* (Form RE-1), **AND**
- ☒ A **copy** of the *Private Sponsor Travel Certification Form* with all attachments (itinerary, invitee list, etc.)

Private Sponsor(s) (list all): ClearPath, Inc. and the Atlantic Council

Travel date(s): April 12-18, 2019

Name of accompanying family member (if any): n/a

Relationship to Traveler: ☐ Spouse ☐ Child

IF THE COST OF LODGING **DID NOT INCREASE** DUE TO THE ACCOMPANYING SPOUSE OR DEPENDENT CHILD, ONLY INCLUDE LODGING COSTS IN EMPLOYEE EXPENSES. (Attach additional pages if necessary.)

Expenses for Employee:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input type="checkbox"/> Good Faith Estimate	Total: \$1796.00	\$1249.00	\$1003.00	\$0
<input checked="" type="checkbox"/> Actual Amount	Bus: \$196.00 Flight: \$1600.00			

Expenses for Accompanying Spouse or Dependent Child (if applicable):

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input type="checkbox"/> Good Faith Estimate	n/a	n/a	n/a	n/a
<input type="checkbox"/> Actual Amount				

Provide a description of all meetings and events attended. See Senate Rule 35.2(c)(6). (Attach additional pages if necessary.): See Attachment

5/16/2019
(Date)

BRIAN HUGHES
(Printed name of traveler)

Brian Hughes
(Signature of traveler)

TO BE COMPLETED BY SUPERVISING MEMBER/OFFICER:

I have made a determination that the expenses set out above in connections with travel described in the *Employee Pre-Travel Authorization* form, are necessary transportation, lodging, and related expenses as defined in Rule 35.

5-16-2019
(Date)

[Signature]
(Signature of Supervising Senator/Officer)

EMPLOYEE PRE-TRAVEL AUTHORIZATION

Pre-Travel Filing Instructions: Complete and submit this form at least 30 days prior to the travel departure date to the Select Committee on Ethics in SH-220. Incomplete and late travel submissions will not be considered or approved. This form must be typed and is available as a fillable PDF on the Committee's website at ethics.senate.gov. Retain a copy of your entire pre-travel submission for your required post-travel disclosure.

RECEIVED
SECRETARY OF THE SENATE
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ETHIC MAR15'19PM 3:24

Brian Hughes

Name of Traveler: _____

Employing Office/Committee: _____
Senate Energy and Natural Resources Committee

Private Sponsor(s) (list all): _____
ClearPath Foundation and Atlantic Council

Travel date(s): _____
April 12-18, 2019

Note: If you plan to extend the trip for any reason you must notify the Committee.

Destination(s): _____
Abu Dhabi, United Arab Emirates (UAE)

Explain how this trip is specifically connected to the traveler's official or representational duties:

As staff director for the Energy and Natural Resources Committee, I am responsible for helping to set the committee's oversight and legislative agendas. This trip would greatly enhance my understanding of a wide range of Middle East energy and environmental issues, which have direct relevance to U.S. policy and market impacts that affect our country.

Name of accompanying family member (if any): _____

Relationship to Employee: ☐ Spouse ☐ Child

I certify that the information contained in this form is true, complete and correct to the best of my knowledge:

3/15/2019
(Date)

Brian Hughes
(Signature of Employee)

TO BE COMPLETED BY SUPERVISING SENATOR/OFFICER (President of the Senate, Secretary of the Senate, Sergeant at Arms, Secretary for the Majority, Secretary for the Minority, and Chaplain):
Senator Lisa Murkowski

Brian Hughes

I, _____ hereby authorize _____
(Print Senator's/Officer's Name) (Print Traveler's Name)

an employee under my direct supervision, to accept payment or reimbursement for necessary transportation, lodging, and related expenses for travel to the event described above. I have determined that this travel is in connection with his or her duties as a Senate employee or an officeholder, and will not create the appearance that he or she is using public office for private gain.

I have also determined that the attendance of the employee's spouse or child is appropriate to assist in the representation of the Senate. (signify "yes" by checking box) ☐

3/15/19
(Date)

Lisa Murkowski
(Signature of Supervising Senator/Officer)



Atlantic Council

CLEARPATH

Mr. Brian Hughes
Staff Director
Committee on Energy and Natural Resources
Dirksen Senate Office Building, SD-304
Washington, DC 20515-6150

February 15, 2019

Dear Mr. Hughes,

It is our pleasure to invite you to join a congressional staff delegation trip to the United Arab Emirates (UAE) to study advanced energy technologies this April 12-18. Our aim is to strengthen the US-UAE energy relationship and demonstrate how a cohesive national energy strategy and concerted public-private effort can lead to impressive results.

The delegation will include staff from Congressional Leadership, staff from the US Senate Committees on Energy & Natural Resources and Environmental & Public Works, as well as the US House Committees on Energy & Commerce, Ways & Means, and Science & Technology, and personal office staff of members that sit on those relevant committees. You, along with your colleagues, play an instrumental role in driving American energy policy and international engagement and we believe this trip would provide you with an opportunity to learn more about the impressive advancement in energy one of our key allies in the Gulf has made and see some of its technologies and facilities firsthand.

Potential meetings include discussions with Mohamed Al Hammadi, Chief Executive Officer of Emirates Nuclear Energy Corporation; H.E. Suhail Al Mazrouei, Minister of Energy and Industry; H.E. Dr. Thani Ahmed Al Zeyoudi, Minister of Climate Change and Environment; Abu Dhabi National Oil Company executives focused on enhanced oil recovery (EOR), and others. Site visits will include: Sweihan Solar Project, Barakah Nuclear Facility, Masdar City, the Al Reyadah Carbon Capture and Storage (CCS) project, and Dubai Electricity and Water Authority (DEWA).

For further information or any questions you may have, please contact Jeremy Harrell at 535.403.4620 or harrell@clearpath.org. We sincerely hope you will join this trip in April.

Sincerely,

Randolph Bell
Director, Global Energy Center
Atlantic Council

Rich Powell
Executive Director
ClearPath, Inc.

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This form must be completed by any private entity offering to provide travel or reimbursement for travel to Senate Members, officers, or employees (Senate Rule 35, clause 2). Each sponsor of a fact-finding trip must sign the completed form. The trip sponsor(s) must provide a copy of the completed form to each invited Senate traveler, who will then forward it to the Ethics Committee with any other required materials. The trip sponsor(s) should NOT submit the form directly to the Ethics Committee. Please consult the accompanying instructions for more detailed definitions and other key information.

1. Sponsor(s) of the trip (please list all sponsors): ClearPath, Inc. and the Atlantic Council

3. Dates of travel: April 12-18, 2019

4. Place of travel: Abu Dhabi, United Arab Emirates (with one day of site visits in Dubai, UAE)

5. Name and title of Senate invitees: Please see attached Senate staff invite list.

☒ (A) The sponsor(s) are not registered lobbyists or agents of a foreign principal and do not retain or employ registered lobbyists or agents of a foreign principal and no lobbyist or agents of a foreign principal will accompany the Member, officer, or employee *at any point* throughout the trip.

- OR -

7. ☒ I certify that the trip will not be financed in any part by a registered lobbyist or agent of a foreign principal.

- AND -

8. I *certify* that:

☒ The trip will not in any part be planned, organized, requested, or arranged by a registered lobbyist or agent of a foreign principal except for *de minimis* lobbyist involvement.

- AND -

Private Sponsor Certification - Page 1 of 4

9. USE ONLY IF YOU CHECKED QUESTION 6(B)

I certify that if the sponsor or sponsors retain or employ one or more registered lobbyists or agents of a foreign principal, one of the following scenarios applies:

- ☐ (A) The trip is for attendance or participation in a one-day event (exclusive of travel time and one overnight stay) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *on any segment* of the trip.

- OR -

- ☐ (B) The trip is for attendance or participation in a one-day event (exclusive of travel time and two overnight stays) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *on any segment* of the trip (see questions 6 and 10).

- OR -

- ☐ (C) The trip is being sponsored only by an organization or organizations designated under § 501(c)(3) of the Internal Revenue Code of 1986 and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *at any point* throughout the trip.

10. USE ONLY IF YOU CHECKED QUESTION 9(B)

If the trip includes two overnight stays, please explain why the second night is practically required for Senate invitees to participate in the travel:

11. ☒ An itinerary for the trip is attached to this form. I *certify* that the attached itinerary is a detailed (hour-by-hour), complete, and final itinerary for the trip.

12. Briefly describe the role of each sponsor in organizing and conducting the trip:

Please see addendum.

[illegible]

13. Briefly describe the stated mission of each sponsor and how the purpose of the trip relates to that mission:

Please see addendum.

14. Briefly describe each sponsor's prior history of sponsoring congressional trips:

ClearPath has previously sponsored a staff trip to the DOE's Idaho National Laboratory. Over the past decade, the Atlantic Council has sponsored various trips across the world for relevant policymakers and staff. Last October, ClearPath and the Atlantic Council jointly sponsored a similar UAE trip.

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15. Briefly describe the educational activities performed by each sponsor (other than sponsoring congressional trips):

Please see addendum.

16. Total Expenses for Each Participant:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses
<input checked="" type="checkbox"/> Good Faith estimate <input type="checkbox"/> Actual Amounts	Total: \$930.00 (Coach Bus: \$130.00 Flight: \$800.00)	\$1025.00 (Five Nights)	\$850.00	None

17. State whether a) the trip involves an event that is arranged or organized *without regard* to congressional participation or b) the trip involves an event that is arranged or organized *specifically with regard* to congressional participation:

This trip involves events that are organized specifically with regard to Congressional participation.

18. Reason for selecting the location of the event or trip

The UAE is uniquely implementing an aggressive 2050 clean energy plan to reduce its carbon footprint by 70%. Government officials and private sector executives involved in this effort are located in Abu Dhabi.

19. Name and location of hotel or other lodging facility:

The St. Regis Abu Dhabi Hotel

Nation Tower, Corniche, P.O. Box 60476, Abu Dhabi, United Arab Emirates

20. Reason(s) for selecting hotel or other lodging facility:

This facility's rate is below the typical government per diem rate, is centrally located within the city, and is close to a variety of the meeting locations and site visits.

21. Describe how the daily expenses for lodging, meals, and other expenses provided to trip participants compares to the maximum per diem rates for official Federal Government travel:

Lodging and meal estimates are less than the maximum lodging rate and M&I.

22. Describe the type and class of transportation being provided. Indicate whether coach, business-class or first class transportation will be provided. If first-class fare is being provided, please explain why first-class travel is necessary:

Round trip coach flight on Etihad Airways.

Coach bus for transportation domestically within the UAE.

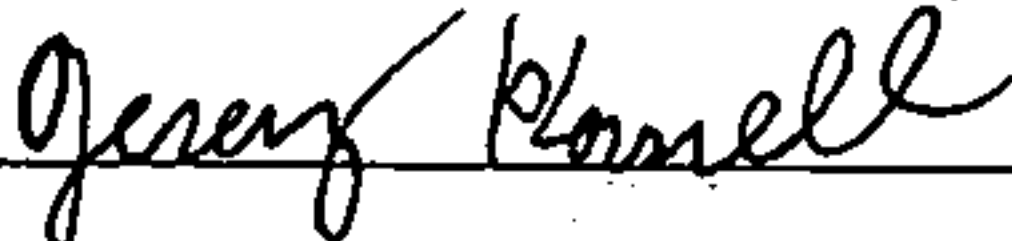
23. ☒ I represent that the travel expenses that will be paid for or reimbursed to Senate invitees do not include expenditures for recreational activities, alcohol, or entertainment (other than entertainment provided to all attendees as an integral part of the event, as permissible under Senate Rule 35).

24. List any entertainment that will be provided to, paid for, or reimbursed to Senate invitees and explain why the entertainment is an integral part of the event:

None.

25. I hereby *certify* that the information contained herein is true, complete and correct. (For trips involving more than one sponsor, you *must* include a completed signature page for each additional sponsor):

Signature of Travel Sponsor:



Name and Title: Jeremy Harrell

Name of Organization: ClearPath, Inc.

Address: 611 Maryland Ave NE, Washington, DC 20002

Telephone Number: (513) 403-4620

Fax Number: N/A

E-mail Address: harrell@clearpath.org

PRIVATE SPONSOR TRAVEL CERTIFICATION FORM
SIGNATURE PAGE FOR ADDITIONAL SPONSOR
(to be completed by each additional sponsor)

I hereby *certify* that the information contained on pages 1-4 of the certification form and any accompanying addenda, all submitted in connection with the April 12-18, 2019 trip
to Abu Dhabi and Dubai, United Arab Emirates *Dates of Travel (Month Day, Year)*
Place of Travel is true, complete, and correct.

Signature of Travel Sponsor:

Julia Varghese
J.VARGHESE@ATLANTICCOUNCIL.ORG

Name and Title: Julia Varghese, Chief Administrative Officer

Name of Organization: The Atlantic Council

Address: 1030 15th Street, NW, 12th Floor Washington, DC 20005 USA

Telephone Number: 202.778.4952

Fax Number: 202.463.7241

E-mail Address: JVarghese@AtlanticCouncil.org

12. Together, ClearPath, Inc and the Atlantic Council have developed a five-day agenda for this congressional staff trip. Both organizations will sponsor the traveler's airfare, hotel accommodations, meals, and transportation. Additionally, both organization have collaborated on the organization of the trip, scheduling government and private sector meetings, and executing the agenda. The Atlantic Council has spearheaded the efforts to secure the public sector meetings and engage the appropriate Emirate leadership to do so, given the organization's previous work in the region.

Consistent with their missions, ClearPath, Inc and the Atlantic Council wish to provide an educational tour and briefings for congressional staff that highlight state of the art technologies under construction or recently placed in service in the United Arab Emirates and the lessons that could be learned from their commercialization. For example, the Abu Dhabi CCS is the world's first fully commercial CCS facility in the iron and steel industry. This is a unique opportunity to see this work first-hand, and take lessons learned as the U.S. work to develop commercially viable clean energy technologies.

[illegible]

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Breakfast

8:00 – 10:00 a.m.

10:00 – 11:00 a.m.

Location: Dubai Al Ruwayyah 2 Area Beside Zayed University, Dubai – AlAin Road, Dubai

H.E. Dr. Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and Environment, United Arab Emirates

11:00 – 1:00 p.m.

1:00 – 1:45 p.m.

Lunch

2:00 – 2:30 p.m.

Meeting with Masdar CEO

Briefer:

Prior to touring Masdar City, the staffers will have the opportunity to sit down with Mr. Al Ramahi, the CEO of Masdar since 2016. Mr. Al Ramahi leads the strategic development of Abu Dhabi Future Energy Company (Masdar), today a leading global commercial enterprise in renewable energy and clean technologies. He has played an instrumental role in the company's emergence over the last decade, both as a catalyst for renewable energy in the Arab world and as an early adopter of advanced clean technologies at scale in key international markets.

2:30 – 3:30 p.m.

Bus tour of Masdar City to view upcoming projects

Briefer:

Michelle Sabti, Stakeholder Relations, Masdar

Construction began on Masdar City in 2008 in order to build a completely sustainable city, juxtaposing urban planning with green technologies. It aims to advance the development and adoption of commercially viable solutions in renewable energy and sustainable real estate that address the sustainability challenges of the UAE, the Middle East and international markets. Masdar City implements an array of cutting-edge technologies to meet sustainability goals.

This will allow staffers to see new initiatives Masdar City will begin implanting. Masdar City utilizes a variety of new technologies in order to promote sustainability and clean energy goals.

3:30 – 4:00 p.m.

Site visit: Seawater Energy and Agriculture System at Masdar City

Location: Masdar City

Briefer:

Michelle Sabti, *Stakeholder Relations*, Masdar

The UAE is a place where water scarcity is prevalent, and food security is of utmost importance. The Seawater Energy and Agriculture System is the flagship project of the Sustainable Bioenergy Research Consortium and combines an integrated system of aquaculture and agriculture to produce sustainable biofuels for aviation and other byproducts such as seafood. Seawater is pumped in to aquaculture ponds containing shrimp and fish. Nutrient rich water from the ponds is then used to irrigate fields of *Salicornia*, a halophytic (salt-loving) crop, which produces oilseeds, used in biofuels. The effluent from the fields is then channeled into a mangrove swamp, where the water is naturally filtered before reaching the sea.

4:00 – 4:30 p.m.

Travel time to the U.S. Embassy

4:30 – 6:00 p.m.

Briefing with US Embassy Abu Dhabi

Briefer:

Steven C. Bondy, *Chargé d’Affaires*, US Embassy Abu Dhabi

Staffers will hear about contemporary issues in the UAE from the perspective of the US embassy in Abu Dhabi. This dinner will provide staffers with the opportunity to get a sense of both political and economic concerns in the UAE.

6:00 – 6:30 p.m.

Travel time to the Ministry of Energy and Industry

6:30 – 8:00 p.m.

Dinner with UAE Ministry of Energy and Industry

Location: PO Box 59, Abu Dhabi

Briefer:

H.E. Dr. Matar Al Neyadi, *Undersecretary*, Ministry of Energy and Industry, United Arab Emirates

8:00 – 8:30 p.m.

Travel time to the hotel

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Monday, April 15 (Dubai)

6:30 – 7:30 a.m.

Breakfast

Location: The Terrace on the Corniche at the St. Regis

7:30 – 9:00 a.m.

Travel time to Crescent Petroleum

9:00 – 11:00 a.m.

Meeting with Crescent Petroleum

Location: Crescent Tower, P.O. Box 211, Corniche Al Buhaira, Sharjah

Briefer:

Majid Jafar, Chief Executive Officer, Crescent Petroleum

Crescent Petroleum is the first and largest private upstream oil and gas company in the Middle East. In 2005, Crescent played an instrumental role in establishing Dana Gas, the first publicly traded energy company in the region. Staffers will hear about the companies approach to energy innovation and have an opportunity to discuss regional energy issues.

11:00 – 1:00 p.m.

Travel time back to Abu Dhabi/Bus Briefing (from 11:00 to 1:00 p.m.)

Briefers:

Jeremy Harrell, *Managing Director of Policy*, ClearPath

Randolph Bell, *Director, Global Energy Center, Atlantic Council*

Jeremy and Randy will brief staff on advanced fossil energy technologies, the role carbon capture, utilization, and storage could play in global emission reduction strategies, and recent actions by multinational oil and gas companies to invest in technologies to combat the effects of climate change.

1:00 – 2:00 p.m.

Lunch

Location: Loca Restaurant & Bar Abu Dhabi

2:00 – 3:30 p.m.

Briefing with Abu Dhabi Department of Energy

Location: PO Box 32800 Abu Dhabi / Al Maryah Island, Abu Dhabi Global Market Square, Al Maqam Tower, 32nd & 33rd floors, Abu Dhabi

Briefer:

H.E. Eng. Mohammed Bin Jarsh, *Undersecretary*, Abu Dhabi Department of Energy

The Abu Dhabi Department of Energy was established 2018 to implement various programs, initiatives, and projects with the aim of achieving a sustainable society in Abu Dhabi. The Department of Energy is tasked with developing strategic initiatives that diversify and secure energy sources for economic, environmental,

3:30 – 7:00 p.m.

Free time

7:00 – 9:00 p.m. **Dinner with Executive Affairs Authority, Abu Dhabi**
Location: Terrace on the Corniche, St. Regis Hotel

Briefers:

Dave Scott, Executive Director of Economic Affairs, Executive Affairs Authority, Abu Dhabi

Established in 2006, the Executive Affairs Authority (EAA) is a specialized government agency mandated to provide strategic policy advice to the chairman of the Abu Dhabi Executive Council, H.H. Sheikh Mohamed bin Zayed Al Nahyan. The EAA works to formulate, incubate, and implement strategic policy, where required, across all portfolios of government, on behalf of the Chairman of the Executive Council of Abu Dhabi, in order to realize Abu Dhabi's vision of a secure society and a dynamic open economy.

Tuesday, April 16

7:30 – 8:30 a.m. **Breakfast**
Location: The Terrace on the Corniche at the St. Regis

8:30 – 8:45 a.m. **Walk to ADNOC**

9:00 - 10:30 a.m. **Briefing from Abu Dhabi National Oil Company's Panorama Data Analytics Suite**
Location: ADNOC Headquarters, PO Box 898, Abu Dhabi

Briefer:

Abdul Nasser Al Mughairbi, Senior Vice President, Digital, ADNOC Group

The Abu Dhabi National Oil Company (ADNOC) is one of the world's largest oil companies, with subsidiaries across the entire hydrocarbon value chain. ADNOC is working to become more integrated to ensure a more sustainable and economical oil and gas supply. This is being aided by the Panorama Data Analytics Suite. ADNOC's Panorama Digital Command Center draws from a massive set of data points across the company, from the upstream to the downstream and global distribution network, to provide a single access point to ADNOC's real time performance. Using smart analytical models and, increasingly, leveraging advanced AI platforms, it uses big data to generate operational insights and recommend new, integrated pathways to optimize and enhance performance and create additional value.

10:30 – 11:30 a.m. **Travel time to Al Reyadah**

11:30 a.m. – 1:00 p.m. **Site Visit: Al Reyadah – Carbon Capture, Usage, and Sequestration Company**
Location: Al Reyadah, Abu Dhabi

This project is currently operating by capturing carbon dioxide from the flue gas of an Emirates Steel production facility and then using this carbon dioxide in enhanced oil recovery (EOR) at a nearby oil field. The main objectives of the project are to reduce the carbon footprint of the United Arab Emirates, implement EOR in subsurface oil reservoirs, and free up natural gas that would have been used for oil field pressure maintenance. The Al Reyadah project captures, transports, and injects just under 900,000 tons of carbon dioxide per year.

1:00 – 2:00 p.m.

Travel time to Emirates Global Aluminium

2:00 – 3:00 p.m.

Meet with Emirates Global Aluminium

Location: Kizad A3, Al Taweelah - Abu Dhabi - United Arab Emirates

Briefer:

Abdulla Jassem bin Kalban, *Managing Director and Chief Executive Officer*, Emirates Global Aluminium

Emirates Global Aluminium (EGA) is the world's largest 'premium aluminium' producer and is the biggest UAE exporter outside of the oil and gas industry, producing 4 percent of the world's aluminum. EGA began in the 1970s when the UAE was exporting no aluminum and has transformed the industry to be a major player in the aluminum market. EGA currently operates smelters in Abu Dhabi and Dubai and is developing an alumina refinery in the UAE and a bauxite mine and export facility in the Republic of Guinea.

3:00 – 5:00 p.m. Site visit: Emirates Global Aluminium industrial plant

The EGA plant at Jebel Ali was built in 1976 and was the first aluminum smelter to be built in the UAE and the second in the region. When production began in 1979, the production capacity was 135,000 metric tons, but after eight expansions, this has increased to over one million metric tons of aluminum per year. This plant is capable of producing a range of purities of aluminum and can go as high as 99.96 percent, which makes aluminum for specialist aviation and electronics.

5:00 – 7:00p.m.

Free Time

7:00 – 9:00 p.m.

Dinner

Location: Four Seasons Hotel

9:00 – 9:30 p.m.

Travel time to hotel

Wednesday, April 17

7:30 – 8:30 a.m.

Breakfast

Location: The Terrace on the Corniche at the St. Regis

8:30 – 11:30 a.m. **Travel time/Bus Briefing on Nuclear Power (Briefing from 9:30 to 11:00 a.m.)**

Briefers:

Richard Powell, *Executive Director, ClearPath*

Randolph Bell, *Director, Global Energy Center, Atlantic Council*

Staffers will receive an overview of global nuclear civilian energy efforts, the role the International Energy Agency (IEA) has forecasted for nuclear technologies in the future electricity grid, and other recent power sector emission reduction modeling.

11:30 a.m. – 12:00 p.m. Meeting with Emirates Nuclear Energy Corporation

Location: Barakah Nuclear Power Plant

Briefers:

Mohamed Al Hammadi, *Chief Executive Officer, Emirates Nuclear Energy Corporation*

Mark Reddemann, *Chief Executive Officer, Nawah Energy Company*

Nasser Al Nasser, *Chief Executive Officer, Barakah One Company*

Founded in 2009, the Emirates Nuclear Energy Corporation (ENEC) is responsible for the implementation of the UAE's nuclear energy program. The move to pursue a nuclear program was in part due to the sustainability goals outlined under the Abu Dhabi Economic Vision 2030. ENEC's main priority is to deliver safe, clean, efficient, and reliable nuclear energy to the UAE grid in order to establish a more diversified power mix and provide a lower carbon emissions alternative to burning oil or gas. The short-term goal is to get the Barakah nuclear facility operational, at which point, ENEC will turn to focusing on operations at Barakah, while developing plans to expand nuclear operations to other locations.

12:00 – 1:00 p.m. **Nuclear Briefing Presentation**

Location: Barakah Nuclear Power Plant

Briefer:

Ali Al Nuaimi, *Senior Reactor Operator, Emirates Nuclear Energy Corporation*

Staffers will receive a briefing on the APR-1400s nuclear reactors, an advanced pressurized water nuclear reactor designed by the Korea Electric Power Corporation (KEPCO). The four reactors being constructed at Barakah will ultimately meet nearly 25 percent of the country's electricity needs.

1:00 – 2:00 p.m. **Site Visit: Barakah Nuclear Power Plant**

Location: Barakah Nuclear Power Plant

Briefer:

Hasan Al Shemeili, *Nuclear Performance Improvement Manager, Nawah Energy Company*

Barakah is the first nuclear site under construction in the UAE, designed with four APR1400 nuclear reactors to produce 5.6 GW of energy when all reactors are operational. The Korea Electric Power Corporation won the bid to design and build the facility, and construction on Unit 1 began in 2012 and is set to come online at the end of 2019 or beginning of 2020 after several delays. Unit 1 was finished in mid-2018 and the other three units are nearing completion. Units 1 and 2 are set to become operational as soon as the Emirati have finished their operator training.

2:00 – 3:00 p.m.

Lunch

Location: Barakah

3:00 – 6:00 p.m.

Travel time to Abu Dhabi

7:00 – 9:00 p.m.

Dinner with ACWA Power

*Location: Catch Restaurant, Nation Riviera Beach Club, Abu Dhabi 73085,
United Arab Emirates*

Briefer:

Paddy Padmanathan, President and CEO, ACWA Power

A private sector company based in Saudi Arabia that operates in ten countries, ACWA primarily works in power generation and desalinated water production plants. Staffers will be able to discuss issues from a non-governmental perspective.

Thursday, April 18

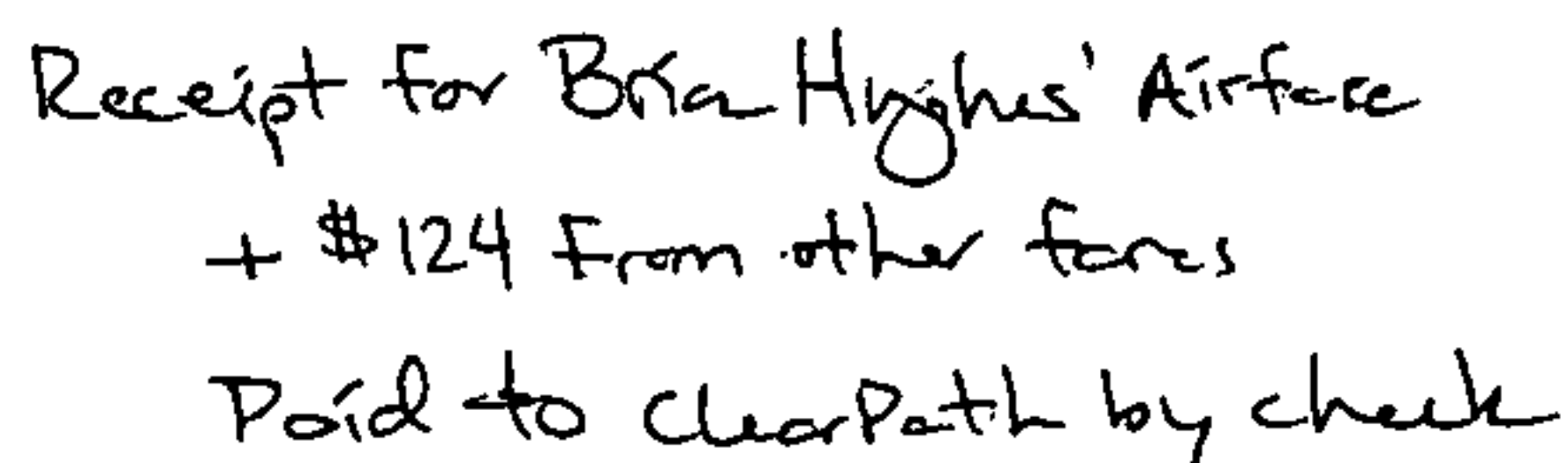
10:30 a.m.

Official Trip Ends

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LIST OF SENATE INVITEES

Senate			
Brian Hughes	Senate Energy and Natural Resources Committee	Staff Director	brian_hughes@energy.senate.gov
Jed Dearborn	Senate Energy and Natural Resources Committee	Professional Staff Member	jed_dearborn@energy.senate.gov
Trey McKenzie	Senator Roy Blunt	Legislative Assistant	trey_mckenzie@blunt.senate.gov
Corey Brown	Senator Thom Tillis	Legislative Assistant	corey_brown@tillis.senate.gov
Kate Juelis	Senator John Barrasso	Energy Counsel	Kate.Juelis@Barrasso.senate.gov
Sarah Peery	Senator Rob Portman	Legislative Assistant	sarah_peery@portman.senate.gov
Adrian Deveny	Minority Leader Chuck Schumer	Climate and Energy Advisor	adrian_deveny@schumer.senate.gov
Luke Bassett	Senate Energy and Natural Resources Committee	Professional Staff Member	luke_bassett@energy.senate.gov
Laura Gillam	Senate Environment and Public Works Committee	Senior Policy Advisor for Clean Air and Climate	laura_gillam@epw.senate.gov
Adam Zipkin	Senator Cory Booker	Counsel	adam_zipkin@booker.senate.gov
Leah Rubin Shen	Senator Christopher Coons	Energy & Environment Policy Advisor	Leah_RubinShen@coons.senate.gov
Dan Alpert	Senator Martin Heinrich	Legislative Assistant	dan_alpert@heinrich.senate.gov



Prepared For
HUGHES/BRIAN MR

Itinerary Details

TRAVEL DATE	AIRLINE	DEPARTURE	ARRIVAL	OTHER NOTES
12Apr19 - 13Apr19	ETIHAD AIRWAYS EY 130	Dulles Airport, Washington DC, United States of America Time 21:50	Abu Dhabi Airport, Abu Dhabi, United Arab Emirates Time 19:00 Terminal TERMINAL 3	Class ECONOMY Seat Number CHECK-IN REQUIRED Baggage Allowance 2PC Booking Status OK TO FLY Fare Basis / Fare Choice LPVRTUS/YV Not Valid Before 12APR19 Not Valid After 12APR19
20Apr19	ETIHAD AIRWAYS EY 131	Abu Dhabi Airport, Abu Dhabi, United Arab Emirates Time 10:30 Terminal TERMINAL 3	Dulles Airport, Washington DC, United States of America Time 16:40	Class ECONOMY Seat Number CHECK-IN REQUIRED Baggage Allowance 2PC Booking Status OK TO FLY Fare Basis / Fare Choice VPVRTUS/YS Not Valid Before 20APR19 Not Valid After 20APR19

Baggage Allowance

AUH to IAD - 2 Pieces ETIHAD AIRWAYS , each piece up to 50 pounds/23 kilograms and up to 62 linear inches/158 linear centimeters

ADDITIONAL ALLOWANCES AND/OR DISCOUNTS MAY APPLY DEPENDING ON FLYER-SPECIFIC FACTORS /E.G. FREQUENT FLYER STATUS/MILITARY/ CREDIT CARD FORM OF PAYMENT/EARLY PURCHASE OVER INTERNET.ETC

Carry On Allowances

IAD to AUH , AUH to IAD - 1 Piece (EY - ETIHAD AIRWAYS)

Carry On Charges

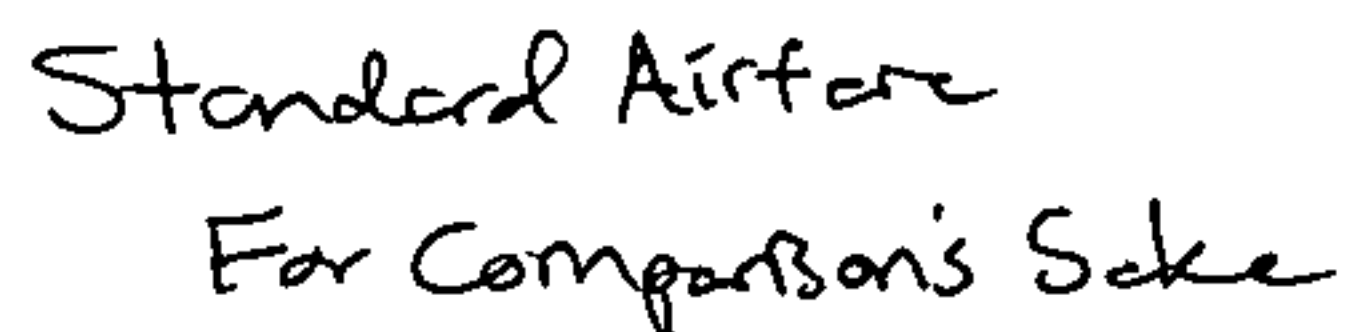
IAD to AUH , AUH to IAD - (EY - ETIHAD AIRWAYS) - Carry-on fees unknown - contact carrier

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Notice:

Depending on what type of fare choice you have booked, there are rules and benefits that apply to your ticket type. Check the table below to get more information on your allowances, eligibilities and rules.

Cabin	Economy					Business					First		The Residence	
Fare Choice	Deals (YB)	Saver (YS)	Classic (YV)	Flex (YF)	Guest seat ✦ (GY)	Saver (JB)	Classic (JS)	Flex (JF)		Guest seat ✦ (GJ)	First (FI)	Guest seat ✦ (GF)	The Residence (TR)	
Booking Class	T,E	U,V	L,Q,M,K	H,B,Y	N	Z	W	D,C	J	I	R,A	F	O	P
Etihad Guest Miles earned	25%	50%	75%	100%	0%	115%	130%	175%	200%	0%	250%	275%	0%	400%
Hand baggage allowance (all routes)	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	2 bags (total max 12kg)	2 bags (total max 12kg)	2 bags (total max 12kg)		2 bags (total max 12kg)	2 bags (total max 12kg)	2 bags (total max 12kg)	2 bags (total max 12kg)	2 bags (total max 12kg)



Prepared For
PEERY/SARAH ELIZABETH MS

ZJVPUX
05Apr19
6072137494308
ETIHAD AIRWAYS
Etihad Airways/L00
ITNYCR536
AA8R6TL70

TRAVEL DATE	AIRLINE	DEPARTURE	ARRIVAL	OTHER NOTES
12Apr19 - 13Apr19	ETIHAD AIRWAYS EY 130	Dulles Airport, Washington DC, United States of America Time 21:50	Abu Dhabi Airport, Abu Dhabi, United Arab Emirates Time 19:00	Class ECONOMY Seat Number CHECK-IN REQUIRED Baggage Allowance 2PC Booking Status USED TO FLY Fare Basis / Fare Choice LPVRTUS/YV Not Valid Before 12APR19 Not Valid After 12APR19
18Apr19	ETIHAD AIRWAYS EY 131	Abu Dhabi Airport, Abu Dhabi, United Arab Emirates Time 10:30 Terminal TERMINAL 3	Dulles Airport, Washington DC, United States of America Time 16:40	Class ECONOMY Seat Number 26E (CONFIRMED) Baggage Allowance 2PC Booking Status OK TO FLY Fare Basis / Fare Choice UPVRTUS/YS Not Valid Before 18APR19 Not Valid After 18APR19

Baggage Allowance

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IAD to AUH , AUH to IAD - 1 Piece (EY - ETIHAD AIRWAYS)

Carry On Charges

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IAD to AUH , AUH to IAD - (EY - ETIHAD AIRWAYS) - Carry-on fees unknown - contact carrier

Payment/Fare Details

Form of Payment	CREDIT CARD - VISA : XXXXXXXXXXXX
Endorsement / Restrictions	NON ENDO/ REF
Fare Calculation Line	WAS EY AUH Q75.00Q2.50Q223.00 669.15EY WAS Q2.50Q223.00 282.00NUC1477.15END ROE1.00 XFIAD4.5
Fare	USD 1477.00
Taxes/Fees/Carrier-Imposed Charges	USD 37.20 US2 (US INTERNATIONAL TRANSPORTATION TAX)
	USD 5.60 AY (US SECURITY FEE)
	USD 5.77 YC (US CUSTOMS USER FEE)
	USD 7.00 XY2 (XY2)
	USD 3.96 XA (US APHIS USER FEE)
	USD 20.40 AE4 (AE4)
	USD 1.40 TP (PASSENGER SECURITY AND SAFETY FEE)
	USD 1.40 ZR (INTERNATIONAL ADVANCED PASSENGER INFORMATION (API) FEE)
	USD 1.40 ZR2 (ZR2)
	USD 9.50 F62 (F62)
	USD 4.50 XF (US PASSENGER FACILITY CHARGE)
Total/Transaction Currency	USD 1575.13
Ticketing Fees/Requested Services Fees	OB TICKETING SUB CODE #1 - USD 25.00
Grand Total	USD 1600.13

Notice:

Important additional information

Depending on what type of fare choice you have booked, there are rules and benefits that apply to your ticket type. Check the table below to get more information on your allowances, eligibilities and rules.

Cabin	Economy					Business				First			The Residence	
Fare Choice	Deals (YB)	Saver (YS)	Classic (YV)	Flex (YF)	Guest seat ✦ (GY)	Saver (JB)	Classic (JS)	Flex (JF)	Guest seat ✦ (GJ)	First (FI)	Guest seat ✦ (GF)	The Residence (TR)		
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Hand baggage allowance	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	1 bag (max 7kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)	2 bags (total max 10kg)

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